



METROPOLITAN  
TRANSPORTATION  
COMMISSION

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## ARTERIAL OPERATIONS COMMITTEE (AOC)

**10 A.M. – 12 P.M., Tue., May 10, 2011**

Joseph P. Bort MetroCenter

**Conference Room 171**

101 Eighth Street

Oakland CA 94607-4700

Chair: Dean Hsiao, San Leandro

Vice-Chairs: David Kobayashi, VTA

David Mahama, TJKM

Staff Liaisons: Vamsi Tabjulu, MTC

Danielle Stanislaus, MTC

*The Arterial Operations Committee (AOC) oversees the Bay Area's efforts to improve arterial efficiency and safety. This Committee membership is open to traffic engineers in public and private agencies in the Bay Area. For more information and to download the meeting agenda packets, please visit [http://www.mtc.ca.gov/services/arterial\\_operations/](http://www.mtc.ca.gov/services/arterial_operations/).*

### AGENDA

1. **Introductions** (Hsiao)
  - *Notes from meeting on March 8, 2011\**
2. **RTP Update** (Stanislaus)
3. **Program for Arterial System Synchronization\*** (Tabjulu)
  - *PASS 2010/11 Cycle Project Update*
  - *Call for Projects for PASS 2011/12 Feedback*
4. **Tech Transfer Seminar\*** (Stanislaus)
  - *Draft Outline for Seminar #4 - Complete Streets\*\**
  - *Seminar Date*
5. **New Business** (All)
6. **Featured Presentation\*\* – Arterial Performance Measurement in the Freeway Performance Measurement System (PeMS)** (Karl Petty & Tiffany Barkley, Berkeley Transportation Systems, Inc.)

\* Attachment in the packet

\*\* Handout available at the meeting

**Next Meeting: Tue, July 12, 2011 at 10 A.M., Room 171**

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# **Arterial Operations Committee**

## ***Notes from meeting on March 8, 2011***

### **1. Introductions**

All members introduced themselves. The meeting notes from Jan. 11, 2011 were approved as written.

### **2. RTP Update**

- Danielle Stanislaus requested AOC participation at the Regional Advisory Working Group (RAWG) and the Planning Committee meetings. She said that the next meeting for RAWG is on May 3<sup>rd</sup> and requested members to participate. She said that the T-2030 Plan guarantees funding for Arterial Ops programs only for six years and funding beyond that is not guaranteed. She said that it's important to highlight the benefits achieved by Arterial Ops programs to various modes of transportation including auto, transit, bicycle, pedestrians, etc. in order to sustain or increase the current funding levels.
- She said that MTC is currently accepting applications for transportation projects to be included in the RTP and reminded that the due date for applications is April 29<sup>th</sup>. She said that the projects need to be included in the RTP to be eligible for federal funds in the future. She said that she and other MTC staff are meeting with all of the CMAs to do discuss the Freeway Performance Initiative Needs for the region which includes the Arterial Operations Program. She said further updates on the RTP will be provided at future AOC meetings.

### **3. Tech Transfer Seminar**

- Vamsi Tabjulu reported that the seminar on Arterial/Freeway Integration was held on Feb. 24<sup>th</sup> with speakers from MTC, Caltrans and local agencies. He said that over 70 participants attended the seminar exceeding our expectations. He reported the results from 28 completed participant evaluation forms: On a scale of 1 to 5, the Seminar Content received a grade of 4.4; Speakers/Presentations received a grade of 4.4; and Handouts/Materials received a grade of 4.4. On a scale of A to F, the following grades were received for Overall Seminar Satisfaction: Grade A = 61%; Grade A- = 11%; Grade B+ = 7%; and Grade B = 21%.
- He said that the following topics were suggested for future seminars for consideration: ITS; Arterial Operations; Center to Center; Express lanes; BRT; Congestions pricing; and LED Streetlights.
- Danielle said that MTC is working on the draft outline for the next tech transfer seminar on "Complete Streets" and outlined some sections that could be covered in the seminar. Members provided feedback to address the following in the seminar: transit; bicycle; multi-modal LOS; implementation strategies; funding sources/constraints; and program evaluation.

### **4. Program for Arterial System Synchronization (PASS)**

- Vamsi provided an update on the 13 projects in the current cycle. He said that all the projects are on-schedule and that the project consultants will provide detailed status update to be included in AOC memos along with the summary table. He said that MTC will coordinate the installation of GPS clocks with Caltrans and local agencies.
- He said that the Call for Projects for PASS 2011/12 was released on March 2<sup>nd</sup> with the due date for applications on April 12<sup>th</sup>. He said that local agencies will have about six weeks to complete and submit their applications. He highlighted some important aspects of the Call for Projects and responded to questions. He said that the project applications that include state signals will be reviewed by staff from MTC and Caltrans.

### **5. Featured Presentation – San Leandro ATMS Upgrade**

- Dean Hsiao of the City of San Leandro provided an overview of the recently upgraded ATMS now at their new Traffic Operations Center. The presentation is available on the Arterial Ops website at:  
[http://www.mtc.ca.gov/services/arterial\\_operations/downloads.htm](http://www.mtc.ca.gov/services/arterial_operations/downloads.htm)

### **6. Adjournment**

The meeting adjourned at 12:00 P.M.

**Arterial Operations Committee**  
*Attendees from meeting on March 8, 2011*

#	Name	Agency	Phone No.	E-Mail
1	Aileen Cabico	URS	408.297.9585	Aileen_cabico@urscorp.com
2	Anirban Pal	Kimley-Horn	925.543.0840	anirban.pal@kimley-horn.com
3	Barry Rodinsky	Econolite	510.562.3215	brodinsky@econolite.com
4	Bernard Li	Iteris	949.270.9633	bkl@iteris.com
5	Danielle Stanislaus	MTC	510.817.5737	dstanislaus@mtc.ca.gov
6	David Kobayashi	VTA	408.321.5892	david.kobayashi@vta.org
7	Dean Hsiao	San Leandro	510.577.3410	dhsiao@ci.san-leandro.ca.us
8	Deborah Fehr	San Ramon	925.973.2657	dfehr@sanramon.ca.gov
9	Einar Acuna	Caltrans	510.622.5741	Einar_a_acuna@dot.ca.gov
10	Garland Wong	Fairfield	707.428.7698	gwong@ci.fairfield.ca.us
11	Gordon Lum	Aliquot	510.695.3710	glum@aliquot.com
12	Helena Allison	Napa	707.257.9523	hallison@cityofnapa.org
13	John Rudolph	WCCTAC	510.215.3042	JohnR@ci.san-pablo.ca.us
14	Rich Shinn	DKS	510.267.6620	richshinn@dksassociates.com
15	Ruta Jariwala	URS	408.297.9585	ruta_jariwala@urscorp.com
16	Shel Leader	Telvent	510.409.5282	shel.leader@televent.com
17	Thien Pham	Santa Clara Co.	408.494.1326	thien.pham@rda.sccgov.org
18	Vamsi Tabjulu	MTC	510.817.5936	vtabjulu@mtc.ca.gov



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## *Memorandum*

TO: Arterial Operations Committee

DATE: May 3, 2011

FR: Vamsi Tabjulu

W. I. 1234

RE: **Program for Arterial System Synchronization (PASS)**

The purpose of the Program for Arterial System Synchronization (PASS) is to provide technical and financial assistance to Bay Area agencies to improve the safety and efficiency of the operations of certain traffic signal systems/corridors. The PASS provides traffic engineering assistance to local jurisdictions in retiming their traffic signals, including developing transit signal priority plans, incident management flush plans, traffic responsive timing plans, and establishing communication between state and local signals, among other eligible services. MTC will administer and manage this program, but the primary responsibility for the operation and retiming of traffic signals resides with the agency that owns them. The PASS guidelines and more information is available on the MTC Arterial Ops website at:  
[http://www.mtc.ca.gov/services/arterial\\_operations/](http://www.mtc.ca.gov/services/arterial_operations/)

### **PASS 2010/11 Cycle Project Updates:**

*Brian Sowers, Kimley-Horn and Associates (KHA):*

1. **Fremont/Caltrans:** Last Deliverable Completed: 4A Final Timing Sheets. KHA has completed the implementation and fine-tuning of the project and is working to submit the 4B Final Project Report.
2. **San Leandro/Caltrans:** Last Deliverable Completed: 4A Final Timing Sheets. KHA has completed the implementation and fine-tuning of the project and is working to submit the 4B Final Project Report.
3. **Redwood City/Caltrans:** Last Deliverable Completed: 4A Final Timing Sheets. KHA will implement and fine-tune the timing plans by the second week of May.
4. **Livermore:** Last Deliverable Completed: 4B Final Project Report. Project is completed on schedule.
5. **Santa Clara County:** Almaden and Montague Expressway traffic responsive plans are implemented and fine-tuned as a part of Group I & II. The remaining three expressways will be completed as per the schedule and the entire project will be completed by October.

*David Mahama, TJKM Transportation Consultants (TJKM):*

6. **Union City/Hayward/Caltrans:** Last Deliverable Completed: 4A Final Timing Sheets. TJKM has submitted the timing sheets and is expected to commence Task 4B the week of May 9.
7. **Petaluma/Caltrans -** Last Deliverable Completed: 4A Final Timing Sheets. TJKM has submitted the timing sheets and is expected to commence Task 4B the week of May 2.
8. **Fairfield/Caltrans:** Last Deliverable Completed: 4A Final Timing Sheets. TJKM has completed the implementation and fine-tuning of the project and is currently working to submit the 4B Final Project Report.
9. **South San Francisco/Caltrans:** Last Deliverable Completed: 4A Final Timing Sheets (for both weekday and weekend timing plans). TJKM has submitted the timing sheets and is expected to commence Task 4B the week of May 2.
10. **Santa Rosa/Caltrans:** Last Deliverable Completed: 4A Final Timing Sheets. TJKM has submitted the timing sheets and is expected to commence Task 4B the week of May 9.
11. **Napa/Caltrans:** Last Deliverable Completed: 3B Final Recommendations Report. TJKM has completed Task 3B and is currently preparing timing sheets for implementation.

*Nayan Amin, URS Corporation (URS):*

12. **City of Alameda/Caltrans:** Last Deliverable Completed: 3B Final Recommendations Report. URS is awaiting comments from the City to finalize the timing sheets and is planning to implement the timing plans the week of May 9.
13. **City of Walnut Creek/Caltrans - Phase I Status:** Last Deliverable Completed: 4A Final Timing Sheets. URS has implemented and fine-tuned the timing plans for this Phase and will submit the combined 4B Final Project Report after the completion of the second phase.  
**Phase II Status:** Last Deliverable: 4A Final Timing Sheets. URS has started implementing the timing plans and will start fine-tuning during the week of May 9.

### **Project Status Summary Table:**

The PASS 2010/11 Cycle has 13 projects involving over 346 signals, including 70 Caltrans signals. The project status is listed in the table below:

<b>No.</b>	<b>Project</b>	<b>Consultant</b>	<b>Deliverable<sup>1</sup> Completed</b>	<b>Current Status</b>
1.	Fremont, Caltrans	KHA	4A	In Progress
2.	San Leandro, Caltrans	KHA	4A	In Progress
3.	Redwood City, Caltrans	KHA	3B	In Progress
4.	Livermore	KHA	4B	Complete
5.	SCL County – Group I & II	KHA	4A	In Progress
	SCL County – Group III - V	KHA	2B	In Progress
6.	Union City, Hayward, Caltrans	TJKM	4A	In Progress
7.	Petaluma, Caltrans	TJKM	4A	In Progress
8.	Fairfield, Caltrans	TJKM	4A	In Progress
9.	South San Francisco, Caltrans	TJKM	4A	In Progress
10.	Santa Rosa, Caltrans	TJKM	4A	In Progress
11.	Napa, Caltrans	TJKM	3B	In Progress
12.	Alameda, Caltrans	URS	3B	In Progress
13.	Walnut Creek, Caltrans – Phase I	URS	4A	In Progress
	Walnut Creek, Caltrans – Phase II	URS	4A	In Progress

<sup>1</sup> 1B = Final Detailed Workscope Schedule and Budget (DWSB); 2A = Draft Existing Conditions Report; 2B = Final Existing Conditions Report; 3A = Draft Recommendations Report; 3B = Final Recommendations Report; 4A = Final Timing Sheets; 4B = Final Project Report with Benefit-cost Analysis (Project Completion)

### **Call for Projects for PASS 2011/12 Feedback**

MTC issued the Call for Projects for the second cycle of the PASS 2011/12 during the first week of March 2011 with the due date on April 12, 2011. MTC received a large number of applications, requesting more than the funds available, and is currently reviewing the applications in partnership with Caltrans. The review panel's recommendations along with the consultant contract amendments will be submitted to the Operations Committee for approval at its June 10, 2011 meeting. The project applicants will be notified immediately after the committee approval.



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***Memorandum***

TO: Arterial Operations Committee

DATE: May 3, 2011

FR: Danielle Stanislaus

W. I.: 1234

RE: **Tech Transfer Seminar Program**

The Tech Transfer Program is an ongoing initiative under MTC's Arterial Operations Program, which supports efforts to improve the operations, safety, and management of the Bay Area's arterial network. Through the Tech Transfer Program, MTC provides seminars on a variety of topics of interest to local traffic engineers.

**Draft Outline for Seminar #4 – "Complete Streets"**

MTC is currently working on the draft outline for the next Tech Transfer seminar on "Complete Streets" and it will be distributed for discussion at the AOC meeting.

**Seminar Date:**

The MTC MetroCenter Auditorium is tentatively reserved in the afternoon for the following dates in June: 28<sup>th</sup> (Tue); 29<sup>th</sup> (Wed); and 30<sup>th</sup> (Thu). MTC will finalize the seminar date based on the preference of the AOC members and the availability of the speakers.